K081648

JUN 24 2008

510(k) Summary

Prepared: April 30, 2008

Submitter:

Company Name: Canon USA, Inc. (U.S. agent for Canon Inc.)
Company Address: One Canon Plaza
Lake Success, NY 11042
Contact Person: Ms. Sheila Driscoll
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Proposed Device:

Reason For 510(k):	New Model
Manufacturer:	Canon Inc.
Trade Name:	Canon
Model Name:	CXDI-60G
Classification Name:	MQB, Solid State X-ray Imager
FDA 510(k) #:	To be assigned

Predicate Device:

Manufacturer:	Canon Inc.
Trade Name:	Canon
Model Name:	CXDI-50G
Classification Name:	90MQB, Solid State X-ray Imager
FDA 510(k) #:	K031447

Description Of Device: The Canon digital radiography CXDI-60G is a solid state x-ray imagers. The CXDI-60G intercepts x-ray photons and the scintillator of the CXDI-60G emits visible spectrum photons that illuminate an array of photodetectors that create an electrical signals.
After the electrical signals are generated, it is converted to digital value.
The resultant output signal can be transmitted to remote viewing site

The Canon digital radiography CXDI-60C is different from CXDI-50G in the following respect:

- The imaging area of CXDI-60G is changed from 35x43cm to 23x28cm.

The principle of the CXDI-60G is the same as the CXDI-50G, with some modifications of its housing in size and shape. The sensor of the CXDI-60G has the same characteristics as the CXDI-50G

The CXDI-60G itself is a component without a control PC. Using a general-purpose computer with appropriate specifications and the designated system software installed in it, as a control PC, the CXDI-60G achieves performance stated herein(such as image capturing, DICOM transfer and etc.)

Intended Use: DIGITAL RADIOGRAPHY CXDI-60G provides digital image capture for conventional film/screen radiographic examinations.
The device is intended to replace radiographic film/screen systems in all general purpose diagnostic procedures.
This device is not intended for mammography applications.

Descriptive Comparison:

The predicate devices is Digital Radiography CXDI-50G cleared under Document Number K031447 on May 21.

The CXDI60G's amorphous silicon array specifications (including image size, pixel pitch, number of pixels), imaging principle and intended use are the same as those of CXDI-50G. However, the differences in the design are as follows:

- The imaging area of CXDI-60G is changed from 35x43cm to 23x28cm.

A removable, fixed grid is used for all of the CXDI-60G and the CXDI-50G. Those grids are instated inside the sensor housing and used for eliminating the scatter X-ray in exposures that use films.

DEPARTMENT OF HEALTH & HUMAN SERVICES Public Health Service

Food and Drug Administration
10903 New Hampshire Avenue
Document Control Room – WO66-G609
Silver Spring, MD 20993-0002

Canon, Inc.
% Mr. Jeff D. Rongero
Senior Project Manager
Underwriters Laboratories, Inc.
12 Laboratory Drive
RESEARCH TRIANGLE PARK NC 27709

AUG 23 2013

Re: K081648
Trade/Device Name: CXDI-60G
Regulation Number: 21 CFR 892.1680
Regulation Name: Stationary x-ray system
Regulatory Class: II
Product Code: MQB
Dated: June 10, 2008
Received: June 12, 2008

Dear Mr. Rongero:

This letter corrects our substantially equivalent letter of June 24, 2008.

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into class II (Special Controls), it may be subject to such additional controls. Existing major regulations affecting your device can be found in Title 21, Code of Federal Regulations (CFR), Parts 800 to 895. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Parts 801 and 809); medical device reporting (reporting of

medical device-related adverse events) (21 CFR 803); and good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820). This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Parts 801 and 809), please contact the Office of *In Vitro* Diagnostic Device Evaluation and Safety at (301) 796-5450. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR Part 807.97). For questions regarding the reporting of adverse events under the MDR regulation (21 CFR Part 803), please go to http://www.fda.gov/MedicalDevices/Safety/ReportaProblem/default.htm for the CDRH's Office of Surveillance and Biometrics/Division of Postmarket Surveillance.

You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 796-7100 or at its Internet address http://www.fda.gov/cdrh/industry/support/index.html.

Sincerely Yours,

Janine M. Morris
Acting Director
Division of Radiological Devices
Office of In Vitro Diagnostic Device
Evaluation and Safety
Center for Devices and Radiological Health

Enclosure

Indications Statement

510(K)Number(if known): _____

Device Name: CXDI-60G

Indications for Use:

DIGITAL RADIOGRAPHY CXDI-60G provides digital image capture for conventional film/screen radiographic examinations.
The device is intended to replace radiographic film/screen systems in all general purpose diagnostic procedures.
This device is not intended for mammography applications.

Prescription Use ___X___ OR Over-The-Counter Use _____
(Part 21 CFR 801 Subpart D) (Part 21 CFR 801 Subpart C)

(PLEASE DO NOT WRITE BELOW THIS LINE-CONTINUE ON ANOTHERT PAGE IF NEEDED)

Concurrence of CDRH, Office of Device Evaluation(ODE)

(Division Sign-Off)
Division of Reproductive, Abdominal and Radiological Devices
510(k) Number K081648